

Appl. No. 10/811,688
Amdt. Dated Apr 4, 2005
Reply to Office action of November 27, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A mat perimeter system comprising:
 - (a) a mat module having a stud edge with a plurality of upstanding studs forming a row attached thereto and a stud receptacle edge having a plurality of stud receptacles formed therein, wherein the studs are shaped and spaced to engagingly fit within the stud receptacles of a similarly configured mat;
 - (b) a connector having two spaced apart rows of upstanding studs attached to a base, wherein the studs of each row are shaped and spaced to engagingly fit within the stud receptacles of the mat, for creating a row of upstanding studs adjacent to the stud receptacle edge of the mat; and
 - (c) a resilient border comprising a border body having a stud slot shaped to engagingly receive and retain a row of upstanding studs, said resilient border having a downwardly tapered top surface.
2. (Original) The mat perimeter system of claim 1, further comprising a resilient corner comprising two branches connected at a right angle, wherein each said branch has a stud slot shaped to receive and retain a plurality of linearly aligned upstanding studs and wherein each said branch has a downwardly tapered top surface.
3. (Original) The mat perimeter system of claim 1, wherein at least one of the upstanding

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studs has a locking lip and the resilient border stud slot has a lip recess shaped to interlock with locking lips of upstanding studs.

4. (Original) The mat perimeter system of claim 2, wherein at least one of the upstanding studs has a locking lip, the resilient border stud slot has a lip recess shaped to interlock with locking lips of upstanding studs and the resilient corner stud slots have a lip recess shaped to interlock with locking lips of upstanding studs.
5. (Original) The mat perimeter system of claim 1, wherein the height of the resilient border, when oriented to be attached to upstanding studs attached to the mat, is less than or equal to the thickness of the mat.
6. (Original) The mat perimeter system of claim 2, wherein the heights of the resilient border and the resilient corner, when oriented to be attached to upstanding studs attached to the mat, are less than or equal to the thickness of the mat.
7. (Original) The mat perimeter system of claim 3, wherein the height of the resilient border, when oriented to be attached to upstanding studs attached to the mat, is less than or equal to the thickness of the mat.
8. (Currently amended) The mat perimeter system of claim ~~[[2]]~~4, wherein the heights of the resilient border and the resilient corner, when oriented to be attached to upstanding studs attached to the mat, are less than or equal to the thickness of the mat.
9. (Currently amended) An interlocking mat module comprising a mat having a stud edge with a plurality of upstanding studs forming a row attached thereto and a stud receptacle

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edge having a plurality of stud receptacles formed therein, wherein the studs are shaped and spaced to engagingly fit within the stud receptacles of a similarly configured mat, at least one of the upstanding studs has a locking lip partially surrounding the stud and wherein at least one stud receptacle has a lip recess shaped to interlock with partially surrounding locking lips of upstanding studs.

10. (Currently amended) A connector for use on a mat having a stud receptacle edge having a plurality of stud receptacles formed therein, wherein at least one of the stud receptacles has a lip recess shaped to interlock locking lips of upstanding studs, said connector comprising two spaced apart parallel rows of upstanding studs attached to a base, wherein the studs of each row are shaped and spaced to engagingly and securely fit within the stud receptacles of the mat such that lateral movement between the mat and the connector studs is prevented and wherein at least one of the studs has a locking lip partially surrounding the stud, shaped to interlock with the lip recess of a stud receptacle, for creating a row of upstanding studs adjacent to the stud receptacle edge of the mat.
11. (Original) A resilient mat border comprising a border body having a stud slot shaped to engagingly receive and retain a row of upstanding studs attached to a mat, at least one of said upstanding studs having a locking lip, said stud slot having a lip recess shaped to interlock with the locking lip of the upstanding stud and said resilient border having a downwardly tapered top surface.
12. (Original) The resilient border of claim 11, wherein the height of the resilient border,

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when oriented to be attached to upstanding studs attached to the mat, is less than or equal to the thickness of the mat.

13. (Original) A resilient mat corner comprising two branches connected at a right angle, wherein each said branch has a stud slot shaped to receive and retain a plurality of linearly aligned upstanding studs attached to a mat, at least one of said upstanding studs having a locking lip, each said stud slot having a lip recess shaped to interlock with the locking lip of the upstanding stud and said resilient corner having a downwardly tapered top surface.
14. (Original) The resilient corner of claim 13, wherein the height of the resilient corner, when oriented to be attached to upstanding studs attached to the mat, is less than or equal to the thickness of the mat.
15. (New) The interlocking mat module of claim 9, wherein each of said studs has a uniform cross sectional shape along its longitudinal axis.
16. (New) The interlocking mat module of claim 15, wherein each of said studs is cylindrical.
17. (New) The connector of claim 10, wherein each of said studs has a uniform cross sectional shape along its longitudinal axis.
18. (New) The connector of claim 17, wherein each of said studs is cylindrical.